

# Barbara Tschirren

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

67  
papers

2,095  
citations

26  
h-index

45  
g-index

71  
ext. papers

2,349  
ext. citations

3.9  
avg, IF

4.99  
L-index

#	Paper	IF	Citations
67	Questing Ixodes ricinus ticks and Borrelia spp. in urban green space across Europe: A review.. <i>Zoonoses and Public Health</i> , <b>2022</b> ,	2.9	4
66	Intergenerational Costs of Oxidative Stress: Reduced Fitness in Daughters of Mothers That Experienced High Levels of Oxidative Damage during Reproduction. <i>Physiological and Biochemical Zoology</i> , <b>2022</b> , 95, 1-14	2	0
65	Urban woodland habitat is important for tick presence and density in a city in England. <i>Ticks and Tick-borne Diseases</i> , <b>2022</b> , 13, 101857	3.6	1
64	Intralocus conflicts associated with a supergene.. <i>Nature Communications</i> , <b>2022</b> , 13, 1384	17.4	1
63	Maternally-transferred thyroid hormones and life-history variation in birds.. <i>Journal of Animal Ecology</i> , <b>2022</b> ,	4.7	1
62	Elevational Changes in Bacterial Microbiota Structure and Diversity in an Arthropod-Disease Vector. <i>Microbial Ecology</i> , <b>2021</b> , 1	4.4	
61	Sex-specific effects of experimental ectoparasite infestation on telomere length in great tit nestlings. <i>Journal of Evolutionary Biology</i> , <b>2021</b> , 34, 584-589	2.3	2
60	The roles of temperature, nest predators and information parasites for geographical variation in egg covering behaviour of tits (Paridae). <i>Journal of Biogeography</i> , <b>2020</b> , 47, 1482-1493	4.1	7
59	Combining genome-wide association study and F -based approaches to identify targets of Borrelia-mediated selection in natural rodent hosts. <i>Molecular Ecology</i> , <b>2020</b> , 29, 1386-1397	5.7	4
58	Artificial selection reveals the role of transcriptional constraints in the maintenance of life history variation. <i>Evolution Letters</i> , <b>2020</b> , 4, 200-211	5.3	3
57	Bacterial microbiota composition of a common ectoparasite of cavity-breeding birds, the Hen Flea Ceratophyllus gallinae. <i>Ibis</i> , <b>2020</b> , 162, 1088-1092	1.9	2
56	Selection for Divergent Reproductive Investment Affects Neuron Size and Foliation in the Cerebellum. <i>Brain, Behavior and Evolution</i> , <b>2020</b> , 95, 69-77	1.5	2
55	Revisiting mechanisms and functions of prenatal hormone-mediated maternal effects using avian species as a model. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2019</b> , 374, 20180115	5.8	49
54	The more you get, the more you give: Positive cascading effects shape the evolutionary potential of prenatal maternal investment. <i>Evolution Letters</i> , <b>2019</b> , 3, 412-423	5.3	3
53	Bacterial microbiota composition of ticks: the role of environmental variation, tick characteristics and microbial interactions. <i>PeerJ</i> , <b>2019</b> , 7, e8217	3.1	26
52	Small-scale spatial variation in infection risk shapes the evolution of a Borrelia resistance gene in wild rodents. <i>Molecular Ecology</i> , <b>2018</b> , 27, 3515-3524	5.7	11
51	Increased prenatal maternal investment reduces inbreeding depression in offspring. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2017</b> , 284,	4.4	4

50	Interactive effects of yolk testosterone and carotenoid on prenatal growth and offspring physiology in a precocial bird. <i>Behavioral Ecology</i> , <b>2017</b> , 28, 31-38	2.3	8
49	Divergent artificial selection for female reproductive investment has a sexually concordant effect on male reproductive success. <i>Evolution Letters</i> , <b>2017</b> , 1, 222-228	5.3	4
48	Matrilineal inheritance of a key mediator of prenatal maternal effects. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2016</b> , 283,	4.4	3
47	Artificial selection reveals the energetic expense of producing larger eggs. <i>Frontiers in Zoology</i> , <b>2016</b> , 13, 38	2.8	17
46	High Yolk Testosterone Transfer Is Associated with an Increased Female Metabolic Rate. <i>Physiological and Biochemical Zoology</i> , <b>2016</b> , 89, 448-52	2	5
45	Disentangling Genetic and Prenatal Maternal Effects on Offspring Size and Survival. <i>American Naturalist</i> , <b>2016</b> , 188, 628-639	3.7	21
44	Evolutionary signals of selection on cognition from the great tit genome and methylome. <i>Nature Communications</i> , <b>2016</b> , 7, 10474	17.4	125
43	In search of genetic constraints limiting the evolution of egg size: direct and correlated responses to artificial selection on a prenatal maternal effector. <i>Heredity</i> , <b>2016</b> , 116, 542-9	3.6	16
42	Higher genetic diversity on mountain tops: the role of historical and contemporary processes in shaping genetic variation in the bank vole. <i>Biological Journal of the Linnean Society</i> , <b>2016</b> , 118, 233-244	1.9	9
41	A trade-off between reproductive investment and maternal cerebellum size in a precocial bird. <i>Biology Letters</i> , <b>2016</b> , 12,	3.6	7
40	Long-term effect of yolk carotenoid levels on testis size in a precocial bird. <i>Biology Letters</i> , <b>2016</b> , 12,	3.6	5
39	<i>Borrelia burgdorferi</i> sensu lato infection pressure shapes innate immune gene evolution in natural rodent populations across Europe. <i>Biology Letters</i> , <b>2015</b> , 11, 20150263	3.6	13
38	Female oxidative status, egg antioxidant protection and eggshell pigmentation: a supplemental feeding experiment in great tits. <i>Behavioral Ecology and Sociobiology</i> , <b>2015</b> , 69, 777-785	2.5	26
37	Distinct haplotype structure at the innate immune receptor Toll-like receptor 2 across bank vole populations and lineages in Europe. <i>Biological Journal of the Linnean Society</i> , <b>2015</b> , 116, 124-133	1.9	7
36	Differential Effects of Maternal Yolk Androgens on Male and Female Offspring: A Role for Sex-Specific Selection?. <i>PLoS ONE</i> , <b>2015</b> , 10, e0133673	3.7	12
35	Sex-specific effects of prenatal and postnatal nutritional conditions on the oxidative status of great tit nestlings. <i>Oecologia</i> , <b>2015</b> , 177, 123-31	2.9	17
34	The multivariate egg: quantifying within- and among-clutch correlations between maternally derived yolk immunoglobulins and yolk androgens using multivariate mixed models. <i>Oecologia</i> , <b>2014</b> , 174, 631-8	2.9	24
33	Interactions between prenatal maternal effects and posthatching conditions in a wild bird population. <i>Behavioral Ecology</i> , <b>2014</b> , 25, 1459-1466	2.3	28

32	Naturally occurring Toll-like receptor 11 (TLR11) and Toll-like receptor 12 (TLR12) polymorphisms are not associated with <i>Toxoplasma gondii</i> infection in wild wood mice. <i>Infection, Genetics and Evolution</i> , <b>2014</b> , 26, 180-4	4.5	9
31	Natural selection acts in opposite ways on correlated hormonal mediators of prenatal maternal effects in a wild bird population. <i>Ecology Letters</i> , <b>2014</b> , 17, 1310-5	10	22
30	Independent sources of condition dependency and multiple pathways determine a composite trait: lessons from carotenoid-based plumage colouration. <i>Journal of Evolutionary Biology</i> , <b>2013</b> , 26, 635-46	2.3	7
29	Polymorphisms at the innate immune receptor TLR2 are associated with <i>Borrelia</i> infection in a wild rodent population. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2013</b> , 280, 20130364	4.4	62
28	Contrasting patterns of diversity and population differentiation at the innate immunity gene toll-like receptor 2 (TLR2) in two sympatric rodent species. <i>Evolution; International Journal of Organic Evolution</i> , <b>2012</b> , 66, 720-731	3.8	33
27	When mothers make sons sexy: maternal effects contribute to the increased sexual attractiveness of extra-pair offspring. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2012</b> , 279, 1233-40	4.4	38
26	Signatures of selection acting on the innate immunity gene Toll-like receptor 2 (TLR2) during the evolutionary history of rodents. <i>Journal of Evolutionary Biology</i> , <b>2011</b> , 24, 1232-40	2.3	43
25	Resource allocation across the egg laying sequence in the wild zebra finch <i>Taeniopygia guttata</i> . <i>Journal of Avian Biology</i> , <b>2011</b> , 42, 480-484	1.9	7
24	Genetics of personalities: no simple answers for complex traits. <i>Molecular Ecology</i> , <b>2010</b> , 19, 624-6	5.7	18
23	Dissecting carotenoid from structural components of carotenoid-based coloration: a field experiment with great tits ( <i>Parus major</i> ). <i>American Naturalist</i> , <b>2010</b> , 176, 55-62	3.7	49
22	Quantitative genetics research in Zebra Finches: where we are and where to go. <i>Emu</i> , <b>2010</b> , 110, 268-278	1.1	13
21	Long-term effects of early parasite exposure on song duration and singing strategy in great tits. <i>Behavioral Ecology</i> , <b>2009</b> , 20, 265-270	2.3	34
20	The effects of experimentally manipulated yolk androgens on growth and immune function of male and female nestling collared flycatchers <i>Ficedula albicollis</i> . <i>Journal of Avian Biology</i> , <b>2009</b> , 40, 225-230	1.9	40
19	Short- and long-term consequences of early developmental conditions: a case study on wild and domesticated zebra finches. <i>Journal of Evolutionary Biology</i> , <b>2009</b> , 22, 387-95	2.3	93
18	Transgenerational immunity in a bird-ectoparasite system: do maternally transferred antibodies affect parasite fecundity or the offspring's susceptibility to fleas?. <i>Ibis</i> , <b>2009</b> , 151, 160-170	1.9	10
17	Yolk androgens do not appear to mediate sexual conflict over parental investment in the collared flycatcher <i>Ficedula albicollis</i> . <i>Hormones and Behavior</i> , <b>2009</b> , 55, 514-9	3.7	30
16	Heritable variation in maternal yolk hormone transfer in a wild bird population. <i>American Naturalist</i> , <b>2009</b> , 174, 557-64	3.7	63
15	Differential effects of yolk hormones on maternal and paternal contribution to parental care. <i>Animal Behaviour</i> , <b>2008</b> , 75, 1989-1994	2.8	22

14	Host condition and host immunity affect parasite fitness in a bird-ectoparasite system. <i>Functional Ecology</i> , <b>2007</b> , 21, 372-378	5.6	106
13	Maternal modulation of natal dispersal in a passerine bird: an adaptive strategy to cope with parasitism?. <i>American Naturalist</i> , <b>2007</b> , 169, 87-93	3.7	88
12	Carotenoid-based plumage colors and immune function: is there a trade-off for rare carotenoids?. <i>American Naturalist</i> , <b>2007</b> , 169 Suppl 1, S137-44	3.7	69
11	Parasites shape the optimal investment in immunity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2006</b> , 273, 1773-7	4.4	71
10	No evidence for survival selection on carotenoid-based nestling coloration in great tits ( <i>Parus major</i> ). <i>Journal of Evolutionary Biology</i> , <b>2006</b> , 19, 618-24	2.3	13
9	Maternal yolk testosterone does not modulate parasite susceptibility or immune function in great tit nestlings. <i>Journal of Animal Ecology</i> , <b>2005</b> , 74, 675-682	4.7	81
8	Carotenoid-based nestling colouration and parental favouritism in the great tit. <i>Oecologia</i> , <b>2005</b> , 143, 477-82	2.9	56
7	Ectoparasite-modulated deposition of maternal androgens in great tit eggs. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2004</b> , 271, 1371-5	4.4	95
6	Life history and fitness consequences of ectoparasites. <i>Journal of Animal Ecology</i> , <b>2004</b> , 73, 216-226	4.7	109
5	Carotenoid-based colour expression is determined early in nestling life. <i>Oecologia</i> , <b>2003</b> , 137, 148-52	2.9	60
4	Proximate mechanisms of variation in the carotenoid-based plumage coloration of nestling great tits ( <i>Parus major</i> L.). <i>Journal of Evolutionary Biology</i> , <b>2003</b> , 16, 91-100	2.3	102
3	Sexual dimorphism in susceptibility to parasites and cell-mediated immunity in great tit nestlings. <i>Journal of Animal Ecology</i> , <b>2003</b> , 72, 839-845	4.7	177
2	Does <i>Borrelia burgdorferi sensu lato</i> facilitate the colonisation of marginal habitats by <i>Ixodes ricinus</i> ? A correlative study in the Swiss Alps		3
1	Human pathogen co-occurrence in <i>Ixodes ricinus</i> ticks: effects of landscape topography, climatic factors and microbiota interactions		5